

June 3, 2009

CLEARSTREAM WASTEWATER SYSTEMS, INC.
JOHN BARNES / WAYNE PEYTON
PO BOX 7568
BEAUMONT TX 77709

Re: Description: SEWAGE TREATMENT SYSTEMS, AERATED (also see SEWAGE TREATMENT APPARATUS)
Manufacturer: CLEARSTREAM WASTEWATER SYSTEMS, INC.
Product Name: CLEARWATER WASTEWATER TREATMENT SYSTEM
Model Number(s): 1000N (1000 GPD)
Product File No: 20090195

The specifications and/or plans for this plumbing product have been reviewed and determined to be in compliance with chapters Comm 82 through 84, Wisconsin Administrative Code, and Chapters 145 and 160, Wisconsin Statutes.

The Department hereby issues an approval based on the Wisconsin Statutes and the Wisconsin Administrative Code. **This approval is valid until the end of JANUARY 2014.**

This approval is contingent upon compliance with the following stipulation(s):

- This tank must be designed to withstand the pressures to which it will be subjected.
- The manufacturer must keep at the manufacturing plant a set of plans and specifications bearing the department's stamp of approval. The plans and specifications must be open to inspection by an authorized representative of the department.
- The maximum daily wastewater flow, which may discharge through this product, is 600 gallons per day.
- When this product receives wastewater from dwellings, it will produce an effluent quality with a maximum monthly average value for BOD5 of less than or equal to 30 mg/L, TSS of less than or equal to 30 mg/L TSS and F.O.G. of less than 30 mg/L.
- A septic tank (pretreatment tank/trash trap) with a volume of at least 50% of the gallon per day rating of this product must be installed upstream of this product.

TABLE1

INSPECTION, MAINTENANCE AND PUMPING
PRODUCT/ (Models): CLEARSTREAM 600N & 1000N
[DESCRIPTION—STAND ALONE PRE-CAST OR FIBERGLASS TANK
WITH AERATION UNIT]

Initial/Startup Inspection/ Maintenance: serviced by manufacturer representative

Routine Inspection/Maintenance: see manufacturer's service policy; 6 mos.; 2-yr. servicing contract

Ongoing Pumping Cycle And/Or Requirements: PUMP TRASH AND AERATION TANKS

EVERY 2-5 YEARS or as per local requirements

Back-Wash Cycle: N/A

Effluent Performance Levels: CLASS I NSF-40 LISTED; bod5 loading max. 1.5
and 1.85 lbs., respectively

BOD5 Credit For Downsizing Distribution Area: YES *

Fecal Credit For Reduction Of Vertical Separation: NO

Additional Comments: NONE

* Proper function based on domestic wastewater or flows with similar wastewater characteristics.

- **All pre-cast tanks shall be Commerce approved tanks.**

- **Because many Commerce approved products are readily available for sale on the internet; it is important that buyers in Wisconsin are aware of approval stipulations for Commerce approved products. For example, in the state of Wisconsin, the installation of this product/device in a POWTS requires a credentialed/licensed person, local or state plan review, and/or the issuance of a state sanitary permit. See applicable codes—chs. Comm 5 and 81-87, <http://commerce.wi.gov/SB/SB-DivCodesListing.html>. It is recommended that when required (a credentialed/licensed person, plan review and a state sanitary permit), such information is included in written and electronic communications (brochures/advertisements/webpages, etc.) regarding this product/device.**
- **When this product is installed in a POWTS component, a properly credentialed/licensed person must perform the installation.**

This approval supersedes the approval issued on 10/20/2003 under product file number 20030472.

This approval letter shall be incorporated with your previously approved plans and/or specifications approved under product file number 20030472.

The department is in no way endorsing this product or any advertising, and is not responsible for any situation which may result from its use.

Sincerely,

Jean M. MacCubbin, CST
Engineering Consultant--Plumbing Product Reviewer
Commerce; Safety & Buildings Div.
PO Box 2658
201 W Washington Ave.
Madison WI 53703-2658
Phone: 608-266-0955; Fax: 608-283-7456
E-mail: Jean.MacCubbin@wisconsin.gov